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Ŷ.	£.	7.14	263		US-09-815-242-12666	
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į,	6,1,	7.7	491	i C	US-09-881-752A-128	Sequence 128, Arr
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SEQUENCE CHARACTERISTICS.
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Similarity 100.0%; Pred. No. 6.8e 55;
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RESULT 5
US-09-761-569-13
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US-09-925-300-1538
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patent No. US2002010269181
GENERAL INFORMATION:
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SEQ ID NO 1538
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Craid Roson,
APPLICANT: Stove Ruben
TITLE OF INVINITION: Number Acids, Froteins and Antibodies
FILE REPERENCE: PAIO1
CURFINT AFFITANTI'S NUMBER 175 00,025 and
CURRENT FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER FCITUS00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR FILING DATE: 1000-03-08
PRIOR FILING DATE: 1000-03-09
RUBBER 60 050 ID 805: 1890
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                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floopy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DUSYMS DOS

SOFTWARE: Patentin Release #1.0, Version #1.40

CURRENT APPLICATION DATA:
             APPLICATION NUMBER: 05/057,009
FILING DATE: 1998-04-07
ATTOENDY/AGENT INFORMATION:
                                                                                  CLASSIFICATION: <Unknown> PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                         CONTRACTOR ADMINISTRACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SECHENCES.
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TITLE OF INVENTION: CYNCERTEN STREET, AND
ONOCERROLEN STREET, AND
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                                                                                                                                                                                                                                                                                                        COUNTRY: USA
211- 02110 2804
                                                                                                                                              APPLICATION NUMBER: US/09/761, 569
                                                                                                                                                                                                                                                                                                                                                  STATE: MA
                                                                                                                                                                                                                                                                                                                                                                      CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Fish & Richardson P.C
STPEET: 225 Pranklin Street
                                                                                                                         FILING DATE: 16-Jan-2001
NAME: Fasse
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 238
                                                                                                                                                                Query Match
Best Local Similarity 24.3%; Pred. No. 3.9;
Matches 33; Conservative 24; Mismatches 61; Indels 18; Gaps
                                                                                                                                                                                                                                                     Querty Matech
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRENT FILTES DATE: 2001-03-07
FRICK AFFLYSATION ROBBERT, 05 03/487,558
PRIOR FILTES DATE: 2000-01-19
PRIOR FILTES DATE: 2000-01-19
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SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1999-10-20
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PRIOR APPLICATION NUMBER: US 60/160,587
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 668
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FULL OF INVENTION, McChods for improving Secondary Motabolite Production in Fund:
CLE REFERENCE: 199272.147
HERRI AFFLICATION NUMBER: "Types pro-
        NVALIBALA 081
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                                        The street of the very positive of the problem of 
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
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No. US20926128255Alman, Thea
Royer, John
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BS-19-945 258-16
1.8 09-285 3850 4
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: Patent No. US20020150046A!
: GENERAL INFORMATION:
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Application 08/09945258
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                                                                                                                                                                                                                    APPLICANT: Fraser, Paul E.
APPLICANT: University of Foronto
LULE OF INVENTION, ENGINE ANIAND TO CONTRATERING AND USED THERED P
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                                                                                                                                                                                                                    Query Match 8.0%; Secre 69: 10:10; Length 1012; best Local Similarity 24.0%; Pred. No. 12: Mishatches 47: Indels 20: Gars
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ITTLE OF INVERTICAL HUMAN DEALVED SINGLE EXEN NUCLEIC ACTE PROBES USEFUL FOR
ITTLE OF INVERTICAL GENE EXPRESSION ANALYSIS BY MICHEARAY
FILE REFERENCE: Acomicant Prince Political Prince APPLICATION DATE: 2001-95-23
PRIOR APPLICATION UNDERNA US 602/207,456
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PRIOR PILLING TATES 2000-02 14
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No. 9.9; Matches 40; Conservative 21; Mismatches 56; Indels 48; Sapo
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FILE REPERENCE. 1034711570
CUBERT ALTICATION HUMBER. 25,737,345,258
CUBRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: US 69/229,889
PRIOR FILING DATE: 2000-09-01
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              Wilson, Keith E.
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; LENGTH: 807
; TYPE: PRT
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LENGTH: 2167
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Patent Has 082020128250A1
SEMERAL INFORMATION:
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APPLICANT:
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13-84 (2236-1369-636 229-84-230-37-1315-1 + 1515-1 + 1515)
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                                                                                                                             61 QEKSMINIKECTITI REDIKETETTI ALMSQUSSVENESYEL 101
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Local Similarity 31.6%; Pred. No. 20;
has 24; Conservative 11; Mismatches 27; Indels
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Silva, Jeff
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Salama, Sofie
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11. (20162) Tradition for the processing over 1 (A. 1942) (A. 1942
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Copyright (c) 1993 · 2002 Compagen Ltd.
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed. and is derived by analysis of the total acore distribution

Result No.	Score 162 162 125 73		Query Match Length DB 100.0 162 19 100.0 162 29 77.2 162 21 45.1 162 21	DB ID 19 A 29 A 21 A	D AAW69220 AAY1393 AAY77470
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ALIGNMENTS

RESULT 2 AAY13933 ID AAY1

AAY13933 standard; Protein; 162 AA

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This segmence is the human encourse induced secreted protein ( HROPS 1) of the invention. HROPS I can be used for treating cell Fiberal State and character state. It is part to the products can also be used for detection and disduced to a cell profilerative or cell differentiation disorders.
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.0-DEC:1996;
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Hedrick JA, Wang L, Zlotnik A, Merpolo NJ, Glorne JP, Joh
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18 AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   responses in disease states e.g., autoimmune disorders, including theumatoria arthritis, systemic lupus crythematosus, Hashimsto's autoimmune thyroiditis, as well as acute and chronic inflammatoria; responses in which i eco activation of profit in the following the profit in the correspondence of the correspondence of the following play an important role. Sequences AAY77476 (777470) represented to a profit in a primate MD 1 and MD 2 professes. JAY77476 is murine MD 2 and AAY77480 is a primate MD 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancers or desperative conditions. They can be used to modulate ismoste
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   be used for freating medical conditions such as immune, inflammatory of
allergic disorders, or abnormal cellular proliferation, for examples
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Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              m; Mismatrhes
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                                                                                                                                                                                                               Matches
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Best Toral Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MITU ) MITSUBISHI CHEM CORP
                                                                                                                                                                                                                                                                                        This sequence represents a human B cell surface protein, designated MD-1. The protein is involved in the inhibition or higherton of B cell apoptosis and hall-graic antisathmatic, immunosuppressive dermatch and antilibration of activity. The protein and the DNA are used as treating and degenerate agents for diseases related to antibody production by B cells, e.g. autoimmune or allerate diseases, as thms and atopic dermatitis. The coding sequence was isolated from a human ESI clone (CreBack accession number 134854).
                                                                                                                                                                                                                                                                                                                                                                                                                                                 A new PNA encoding a human B cell surface protein, useful for treation autoimmune diseases. Allergic diseases, asthma and atopic dermatities {\bf r}_{\rm c}
AAY1 3932
                         AAY13932 standard; Protein; 162 AA
                                                                                                                                                                                                                                                                    Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 11; 12pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB: AAA11221.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WP1; 2000-353476/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08 CCT-1598;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              autoimmune disease; asthma; atopic dermatitis; expressed sequence tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human: B coll surface protein; apoptosis; antiallergic, alterdy, ESI;
antiasthmatic; immunosuppressive; dermatological; antiinflummatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human B-cell surface protein MD-1.
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                                                                                              61 QLKSNINIRFGII 73
                                                                                                                          61 OLKSNINIKPGTI 73
                                                                                                                                               73; Conservative
                                                                                                                                                                                                                                                                     162 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note: "mature MD-1 protein"
                                                                                                                                                                                                         45.1%: Score 73: DB 21: 100.0%; Pred. No. 2.5e 6: tive 0; Mismatches
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           06-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This sequence represents a OHP106 protein of the invention. The polypoptides and their antibodies are applicable in drug compositions, useful for treatment of various diseases including barrorial and viral infortious with cytokine activity, and activilies
                                     13-JAN-2000.
                                                             W0200001817-A2
                                                                                       Rodentia
                                                                                                                antithyroid.
                                                                                                                             antiarthritic;
                                                                                                                                                                 Endent protois sequence, SEQ ID NO:50.
                                                                                                                                                                                          05-JUN-2000 (first entry)
                                                                                                                                                                                                                         AAY77481;
                                                                                                                                                                                                                                                 AAY77481 standard; Protein; 162 AA
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                           e.g. on cell proliferation/differentiation, immunostimulation/suppression, control of haematopolesis, and tissue formation and repair the proteins and artibodies have a wide spectrum of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 44; 57pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptides useful in the treatment of various dispases including bacterial and viral infections with cytokine activity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OMPIGE Parterial: Miral: intention; bytokine activity; tissue formation: cell proliferation; cell differentiation; immunostimulation; therapy; immunosuppression; haematopolesis control; tissue repair.
                                                                                                                      Imune disorder; inflammation; allergy; immunosuppressant;
antiarthritic; antirheumatoid; antiinflammatory; dermatological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    activities.
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                                                                                                                                                                                                                                                                                                                                                                                                                        162 AA;
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           99WO-US12366.
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                                                                                                                                                                                                                                                                                                                                                                               14.1%; Coore 23; DB 20; 100.0%; Pred. No. 1.1e-1
                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                 1.1e-14;
                                                                                                                                                                                                                                                                                                                                                                                             Length 162;
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properties of ligands for proteins comprising a leucine-rich mothic (LRE); buman eyelin E2; cDMAs encoding these proteins; and antibodies of class; buman cyclin E2; cDMAs encoding these proteins; and antibodies of against these proteins. The proteins can be used for modulating the replication of the event proteins of the molecules, to modulate uptake or physiology or development of a cell. They can be used to mediate uptake or mediate cellular interactions (e.g., induce or prevent trafficking, or mediate cellular interactions (e.g., induce or prevent trafficking, or definite ation, or differentiation of cells), or are intracellular proteins which are important in various cellular processes such as the reproduction of proteins or cell cycle regulation. The products can be used for treating medical conditions such as immune, inflammatory or allergic discreters, or abnormal cellular proliferation, for example, or allergic discreters extense e.g., autoimmune disorders, including the physical conditions are the section of themselves in the extense of the example of the extense of the extense of the example.
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Hedrick JA, Wang L, Zlotnik A, Murdolo NJ, Greene JR, Joh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-AUG 1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a number of primate and/or rodent proteins, and the genes which encode them. The invention encompasses human dendritic cell prostaglandin transporter (DC-PGT), the TNF (timbur necrosis factor) receptor tamily-related proteins HUTEA84, HSLD37R and RANKL; haman CC chemokine HCC5; human dendiquitinating proteins Dubil and Dub
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \kappa_{W} isolated mammalian genes, used to develop products for treating s.a. immune, intlammatory or allergic abnormalities, cancers or legemerative conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SOME ) SCHERING CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 208-209; 218pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPT: 2000-171015/15.
                                                                                                                                                                                                                                                                                                                                             rheumatoid arthritis, systemic lupus erythematosus, Hashimoto's antoimmune thyroiditis, as well as acute and chronic inflammatory responses in which T cell activation, expansion, and/or immunological T responses in major and important role. Sequences AAY77463 v77464, cell memory play an important role. Sequences AAY77463 v77464 AAY77464 cand AAY77484 represent primate proteins of undefined function, AAY77462 and AAY77481 are rodent proteins of undefined function, and AAY77482 is an avian protein of undefined function. These sequences are given in the sequence listing but are not referred to in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12; human MD-1 and human and murine MD-2 proteins, which exhibit the
                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                                            the remainder of the specification.
                                                                                           Mahony D. Lees EM:
                                                                                                                                                                                                                                                                                       162 AA;
                                                                                                                                                                                      Conservative
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                                                                                                                                                                                           14.2%; Score 23; DB 21; 100.0%; Pred. No. 1.1e-14; tive 0; Mismatches 0;
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2: pir2: *
4: pir4: *

Fred. No. is the number of results predicted by chance to have a store greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query
No. Score Match Length DR ID bescription

No matches found

Search completed: November 12, 2002, 09:29:12 dob time : 17 sees

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Result.
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Eukaryota; Metazoa; (
MEDLINE-99180501; PubMed 10079183.
                                                                                                                         TISSUE-Fetal liver, and Spicon:
MEDIANE 9848837, PubMcd-5764866,
Misra Y., Shimazo R., Miyake K., Akashi S., equta H., Yamundita Y.,
                                                                                                                                                                                                                                Enkaryota: Metazoa: Chordata: Craniata: Vertebrata: Enteleostomi:
Mammalia: Entheria: Primates: Catarrhini; Hominidae; Homo.
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15-JUN-2002 (Rel. 41, Created)
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                                                                                                                                                                                                                                                                                                                                                                       MU1_HUMAN
                               SEQUENCE OF 45-162 FROM N.A
                                                               Blood 92:2815-2822(1998).
                                                                                  "RF105 is associated with MD-1 and transmits in activation stand in human H cells.":
                                                                                                                    Narisawa Y., Kimoto M.;
                                                                                                                                                                                   SECUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                    MD-1 protein precursor.
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CARLOHYD
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15-JUN-2002 (Rel. 41, Created)
15-JUN-2002 (Rel. 41, Last sequence update)
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SEQUENCE FROM N.A., AND SEQUENCE OF 20-44
                                                                                                                                          NCBI_TaxID-10090;
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                                                                                                                                                                                                                                                                                                                    Eukaryota;
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                                                                             Mogam N.A., Isnji S., Mamata M., Shida K., Ayama i., majashi A., Matsumoto M., Seya I., Toyoshima K.; "Human M2-1 komotoque is a R93-requilated dene product in monocytes: Its identification by differential display."; Biochem. Blophys. Res. Commun. 256:325-329(199)).
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용독특특독장 동통 등등등등등등등등등등등등등등등등등등등
Scarch completed: November 12, 2002, 09:27:50 Job time : 12 sees
                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 23; Conserv
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Wiyake K., Shimazu R., Kondo J., Niki T., Akashi S., Ogata H.,
Yamashita Y., Miura Y., Kimoto M.;
Yamashita Y., Miura Y., Kimoto M.;
Mouse MD-1, a molecule that is physically associated with RP105 and
positively regulates its expression.";
positively regulates its expression.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Enropean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See 1919).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Regulation of gene expression of murine MD-1 regulates subsequent I real activation and cytokine production.":

[] Immunol. 165:1925-1932(2000).

[] Immunol. 165:1932(2000).

[] Immu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .j. TISSUE SPECIFICITY: Highly expressed in spleen, liver, brain and thymus, and at lower levels in kidney.
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                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                20384784; PhbMed-10925274;
                                                                                                                                                                                                                                                                                                                                                                                         20 162 MD-1 PROTEIN.
96 96 H LINKED (GLCNAC ) (POTENTIAL).
156 156 N-LINKED (GLCNAC . .) (POTENTIAL).
162 AA; 17811 MW; EED25DEA64A937ZE CRC64:
                                                                                                                                                                                                                                                                   ilarity 100.0%;
Conservative (
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                                                                                                                                                                                                                                                                                                     14.2%; Score 23; DB I; Length 162; 100.0%; Pred. No. 2.5e-16;
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Post processing: Listing first 1000 summaries
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Maximum DB seq length: 2006000000
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1: Sp_barches:*

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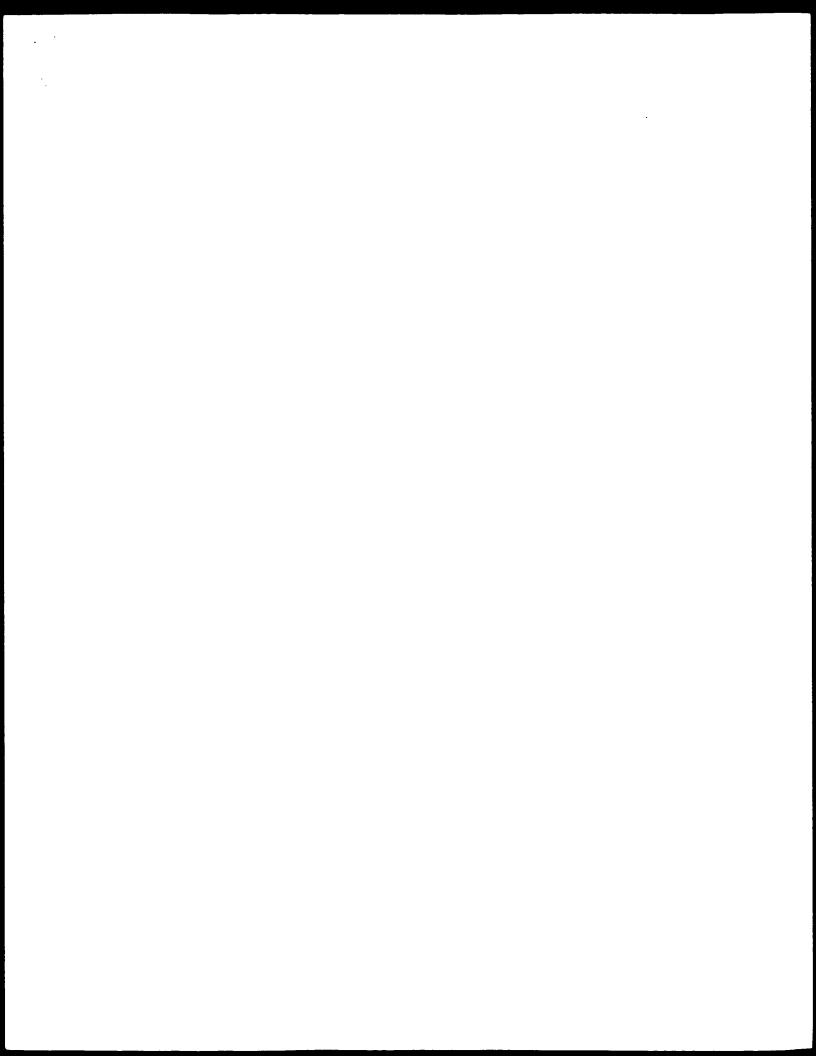
17: Sp_accterise:*
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sp_phage:*
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sp_virus:*
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sp_manmal:*
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Prod. No. is the number of results predicted by chance to have a source dealer than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Researt Gaery
No. Source Match Length 18 ID Description
No matches round

Search captered: November 12, 2002, 09:28:27 Job time: 31 secs



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Database
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                                                                                                                                    Sequence 2. Application US/09899917
Patent No. US20020119552A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Pred. No. is the number of results predicted by object to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total group distribution
                          TITLE OF INVENTION: Human Oncogene induced Secreted Protein NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Ressler Goldetein & Pox P.L.L.C.
                                                                                                                                                                                                                                                                                                                                                     Score Match Length DB ID
                                                                                                    APPLICANT: Olsen, Henrik S. Ruben, Steven M.
                                                                                                                                                                                                                                                                                                                       162 100.0
STREET: 1100 New York Ave., NW, Suite 600 CITY: Washington
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162
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                                                                                                                                                                                                                                                                                                                     162 10 ns-09-899-917-2
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Search completed: Movember 12, 2002, 09:32:12
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TOPOLOGY: linear
MOLECULE TYPE: protein
SUSCEPTION: SUG-15 No: 2:
+ 317 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20005-3934

COMPUTER REALABLE FORM:
MEDIUM TYPE: Floopy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CUBRENT APPLICATION DATA:
: 10 secs
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NAME: Steffe, Eric K.
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APPLICATION NUMBER, US 60/037,388
FILING DATE: 67-FEB 1997
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TELEFAX: 202-371-2540
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1 Sequence 2. Application 05,769994962
2 Patent No. 6284486
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**MPUTER READABLE FORM:
MEDISM TYPE: Floppy disk
MEDISM: PRO Compatible
OFEFATIR: SYSTEM: FC UNCYMSTON
S'FTWARE: Patentin Release #1.0. Version #1.40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler Goldstein & Fox P.L.L.C.
SIREET: 1100 New York Are., NW. Suite 600
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Gopyright (c) 1993 - 2002 Compugen Ltd.
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US:08-994-962-2
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TELEPHAX: 202 471-2600
INFORMATION FOR 505 ID NO. 2:
SEQUENCE CHARACTERISTICS:
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LELECOMMUNICATION INTOKNATION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               67 LIFERTWINT TO BE DEFINITION IN $ 2000 VINDOUT TOWNER RECHOSERS IBUT 12:
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Copyright (c) 1993 - 2002 Computer 4.63
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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101.5	106	106	336	613	613	758	854	852	862	Score	
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AAY13931	AAB35928	AAY13929	AAY77482	AAY77481	AAY13932	AAY84000	AAY77476	AAY13933	AAW69220	SUMMARIES	
нитап ОНР106 prote	Murine MD 2 amino	Mouse OHP106 prote	Avian protein segu	Rodent protein sea	Mouse OHP106 prote	Human B-celi suria	Buman MD-1 protein	Human OHP106 prote	Human oncodenc ind	Description	

Human protein sequ	AAbyayy7	ь. ь.	و / ر	0. +	٠	ť.
Human secreted pro	AAEU5766	7	57.5	6.	0	· 4
Buman polypeptide	AAM39837	to to				
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Murine Renox. Mus	AAB 17730	Ü	0.70	; c	.7.0	ω 80
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Arabidopsis thalia	AAG09470	21	393		70	: W
Arabidopsis thalia	AAG09471	딜	385		70	: -\$-
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that	AAG04447	21	54.00 00		0. U1	دی د ـــ
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Murine MD-2 protei	AAY77479	N	114	65 N	70.5	29
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Human protein segu	AAB95041	22	269	∞	72	25
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cidally ad	ABB91291	60 (4)	699	8.7	75	22
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Arabidopsis thalia	AAC28947	6.3 F.3	363	:0	7.1	15
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Ţ	AAY77480	N3 F-4	1.1 4.2 1.1	_	96.5	14
MD-2	AAY77178	13	160	11.6	191.5	12
Buman Mb-Z amino a	AAB35927	2	160	-	101.5	_

ALIGNMENTS

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<u>≨</u> ප ධ	07-FER-1997; 970S-0037386. 20-DBC-1996; 960S-0033869.	19-DEX*-1997; 97WO-US23547.	02-JUL-1998.	W09828421 Al.		Protein 21162	tide	Koy loration (mail) Diens	Homo sapiens.		COLE GENERAL COLLEGE GENERAL GOVERNMENT COLLEGE GOVERNM	TOTAL THOUGHT OF THE STATE OF T	Obougono induced secreted protein T. Holbs 1: human: campar: thoron.	Human oncodene induced secreted protein 1.		16 GT-1998 (first entry)	64W89220)		AAW69220 standard, Frotein; 162 AA.	RESULT 1 AAW65220

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    φ way Match 100
β st Local Similarity 100
Matches 162, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence is the human encoquene induced secreted protein I (HOFFS I) of the invention. HOFFS I can be used for treating cell redifferative diseases, particularly cancers, such as acute and chronic myelogenus legksomias. The products can also be used for detection and flaquosis of a cell prolliferative or cell differentiation disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated buman oncodene induced secreted protein \dot{\gamma} undevelop products for the diagnosis and treatment of cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 12: Page 51-52; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   profiterative diseases, particularly cancers such as leukaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB: AAV44745.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY14934 Standard; Protein: 162 AA.
                                                                                                                                                                                                                                                                                                                                 ompine: bacterial; viral; intection, cytokine activity; rissue termation; cell proliferation; cell differentiation; immunostimulation; therapy; immunosuppression; haematopolosis control; tissue repair.
                                                                                                                                                                                                                                                                                                                                                                                           Human offPlot protein
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121 YYAGEVINDEN IPOCEYAVI ELTEKKSTVACAHATIMES 162
                                                                                                                                       Honjo T, Kato K, Tada H;
                                                                                                                                                                                            07-001-1997;
                                                                                                                                                                                                                         18661-150 90
                                                                                                                                                                                                                                                     15 - APR - 1999
                         Claim 1; Page 47; 57pp; Japanese.
                                                     New polypoptides useful in the treatment of various diseases including bacterial and viral injections with cytokine activity
                                                                                               N-PSDB; AAX36695, AAX36696
                                                                                                                                                                 (ONOY) ONO PHARM OF LUD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This sequence represents a OHP106 protein of the invention
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                                                                                                                                                                                                                           98W0-JP04515.
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100.0%; Pred. No. 7.1e-92;
100.0 0: Mismatches 0;
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   Query Match 109.0%; Score 862: 108-20; Best Local Similarity 100.0%; Pred. No. 7.1e-92; Matches 162; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The polypeptides and their antibodies are applicable in drud compositions, useful for treatment of various diseases including bacterial and viral intections with cytokine activity, and activities bacterial and viral intections with cytokine activity, and relatives because on cell profileration/differentiation, immunostipmulation/suppression, control of bacmatopolesis, and tissue formation and repair. The proteins and antibodies have a wide spectrum of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY77476 standard: Protein: 162 AA
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12-AUG-1998;
18-AUG-1998;
11-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MD 1, MD 2; leneine-rich motif: LRR protein lidand; immune disordet; inflammation; allergy; immunosuppressant; autiarthritie; antirheumate-id;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY77476:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human MD-1 protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-JAN-2000
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                                                                                                                                                                                                                                                                                                                                                                                                              Bales EEM, Lebecque SJE, Murphy EE, Mattson JD, Goima
Hedrick JA, Wang L, Zlotnik A, Murgolo NJ, Groene JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-JUL-1498;
The invention relates to a number of primary and/or rodent predefine the genes which encode them. The invention encompasses human dendriche genes which encode them.
                                                                                                                                                                               NCW isolated mammalian denes, used to develop products for freating e.g. immune, inflammatory of allergic abnormalities, cancers of
                                                                                                                                                                                                                                                                                                                                                                                                        Hedrick
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SCHE ) SCHERING CORP.
                                                                                              Claim 43, Fage 203-204; 218pp; English.
                                                                                                                                                                                                                                                                                   N-PSDB, AA292417
                                                                                                                                                                                                                                                                                                                                                                              Bazan JF, Mahony D,
                                                                                                                                                           degenerative conditions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human: B cell surface protein; apoptosis; antiallergie; altergy; EST; antiasthmatic; immunosuppressive; dermatoionical; actinilammatory; autoimmuno disease; asthma; atopic dermatitis; expressed sequence tra
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        be used for treating medical conditions such as immune, inclammating or allergic disorders, or abnormal cellular proliferation, for example, cancers or degenerative conditions. They can be used to medicate immune responses in disease states e.g., autoimmune disorders, including rheumatoid arthritis, systemic lupus crythematogus, Hashimator, responses in which I cell activation, expansion, and/or immunelation, responses in which I cell activation, expansion, and/or immunelation,
(866 (-100-80
                                                           58661 - 120-HO
                                                                                                                                                                                                                                                                      Protein
                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human B-cell surface profein MD-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY84000 stundard; Protoin: 162 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              properties of ligands for proteins comprished a learner rich motification; but an experience proteins, and antibodies adainst these proteins. The proteins can be used for modulating the physiology or development of a cell. They can be used to involve uptake of substrates (e.g., prostudiandin-like molecules), to involve or mediate cellular interactions (e.g., induce or prevent trafficking proliferation, or differentiation of cells), or are intracelular
                                                                                                                    18-M4V-81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
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                                                                                                                                                                                JP26.001068800-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 TTAGI VNNFERTTEGGETGVILLELF (SARSTVACANALIMOS 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 ULKSNINIRIGITLREGEREGEALALAMSQCSSVLREVYTTODAALAKESPOARRKGEGT 1.5
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                                                                                                                                New polypeptides useful in the treatment of various diseases including pacterial and viral intections with sytokine activ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Honjo, L. Kato K. Tada H.
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Pest Local Similarity 66.7%: Fred. No. 6.1e-63;
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Commonostimulation/suppression, control of bachatopolesis, and tissue formation and repair. The proteins and antibodies have a wide spectrum of
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The invention relates to a number of primate and/or rodent proteins.
                                                                                                                                                 Disclosure: Page 208 209; 218pp; English
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Best Good: Similarity 65.7%: Fred. No. 6.10-68:
Marches 106: Conservative 22: Mismatches 42: Indets
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12; human MD-1 and human and murine MD-2 proteins, which exhibit the
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                     06-2111-1983
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18-91-1111-13
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antiarthitic: antitheumatoid: antilid Lammatory: defmatoreareal;
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12 AUG 1998;
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12; buman MD-1 and human and murine MD-2 proteins, which exhibit the
properties of ligands for proteins comprising a legeine-rich motif
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14 JUL-1999 (first entry)
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11 - SEP - 1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ompios; bacterial, viral; infection; cytokine activity; tissue formation; cell proliferation; cell differentiation; immunostimulation; therapy; immunosuppression; hacmatopolesis control; tissue repair.
                                                                                                                                                                                     07 or 1-1997;
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                                      Homjo T,
                                                                                                            (ONOY ) ONO PHARM CO LTD.
                                                                                                                                                                                                                                                                   06 - 371-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    33 ORDANIEWIYOSOPPIO DERBYARANGERSMINIAROLII REDIKELEIDIALMADA 91
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TEKRSTVACANATIM 160
                                          Kuto K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        160 AA
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                                          Tada H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12.3%; Score 106; DB 21; Lenath 160; 26.3%; Fred. No. 0.0005; tive 24. Mismatches 61: Indels 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New polypoptides useful in the treatment of various diseases including bacterial and viral infections with cytokine activity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                e.g. on cell proliferation/differentiation, immunostimulation/suppression, control of b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 1; Page 41-42; 57pp; Japanese
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                             prevention reaction against a microbe. Protein and cDNA sequences AAC50537 - AAC505368 represent Edman and me
                                                                                                                                                                                                                                                                             A new protein controlling the infection preventing reaction against
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-MAR-1999;
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                                                                                                     This invention relates to a protein, Mo.2, which controls an intection
                                                                                                                                                                              Claim 1; Page 11; 14pp; Japanese
                                                                                                                                                                                                                                                                                                                                                  N-PSDB; AAC66387
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-MAR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   123 AGPVNNPEFITPOGETQVLLE 143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11. INATORNIVADAS ARPERSIONATARA FINICIAL MINICIPALI MATURA POLITICA POLITI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      68 KSHINIKEWILEKELERI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 FTATLELWILLEPSGSGGGGGKAWPTHVVCSDSGLEVLYOSCDPLO-DEGESVERCSKQL (.)
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                                                                                                                                                                                                                                                                                                                                                                                       2000-682118/67.
MD-2 increases NFKappaR activation through ULPA molecules
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immunosuppressant; allergy; asthma; atopic dermatitis; human:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             160 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MU-1: MD-2: lendine-rich motif: LRR protein liqund; immune disorder: intlammation; allergy: immunesuppressant; antiarthritic: antitheamatoid; antiintlammatory; dermatological; actithyroid.
the invention relates to a number of primate analyze codest proteins, and the areas which encode them. The invention cost mpasses bound doubtitle ceil prostandardin transporter (BC-PXT), the INF (Lumeum corroses factor) receptor lumily-related proteins HUTEAS, HSCLUS-7 and MARKED humans of the mobile more beautiful destroyed by Ecclus 1.111 and 1.1
                                                                                                                                                      New isolated mammalian genes, used to develop products to treating \nu.a. immune, inflammatory or allergic abnormalities, cancers or
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                                                                                                                                                                                                                                                                                             Hates EEM,
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                                                                                                                                         degenerative conditions
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                                                                                                                                                                                                                                                                                                                                                              18-AUG-1998;
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                                                                                                     Claim 43; Page 206; 218pp; English.
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                                                                                                                                                                                                                           2000 171415/15
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Fred. Mc. 0.0017.
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                                                                                                                                                                                                                                                                                                                                     12-AGG-1998;
18-AGG-1998;
11-SEP-1998;
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       Batcs HIML
Helick L. N. L.M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 5 - JAN - 2130
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      doubligational for proteins or sell cycle readation. The products can be used for treating medical conditions such as immune, inflammatory or
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                                                                                                                                                                                                   (SCHE) SCHERING TORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06 - JUL - 1969;
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Sand L. Cholaik A. Mardalo MC, Steams
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Pred. No. 0.0007:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 physiology or development of a cell they can be used to mediate uptake of substrates (e.g., prostaglandin-like molecules), to modulate or mediate cellular interactions (e.g., induce or prevent trafficking, proliferation, or differentiation of cells), or are intracellular proteins which are important in various cellular processes such as the deubiquitination of proteins or cell cycle regulation. The products can be used for treating medical conditions such as immune, inflammatory or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rheumatoid arthritis, systemic lipus erythematosus, mashimoto's antoimmune thyroiditis, as well as acute and chronic inflammatory responsed in which T cell action from the partient pages in and contaminate in the cell memory play an important role. Sequences AAY77476-Y77480 represent MD-1 and MD-2 proteins. AAY77476 is human MD-1, AAY77477-Y77478 are luman MD-2 proteins, AAY77479 is murine MD-2 and AAY77480 is a primate MD-2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   altergic disorders, or abnormal cellular proliferation, for example, cancers or degenerative conditions. They can be used to modulate immune
                                                                                                                                                                                                                                                                                                                  Herbicidally active polypeptide SEO ID No 1175.
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                                                                                                                        07-FEB 2002
                                                                                                                                                                     Me500510510-V5
                                                                                                                                                                                                                   Arabidopsis thaliana
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                      28 AUG 2001; 2001Wo-EP09892
                                                                    28 AUG 2001; 2001Wo-EP09892
                                                                                                                                                                                                                                                                                                                                                                     (1:MAY:2002 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RECSDSGLEVINGSCOPIQ-DEGESVERGEN, LEGICAL STEE STIFFFIFE GENERALISQG (9)
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Query Match
Best Local 9
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                             25-FEB-1999
05-MAR-1999
09-MAR-1999
23-MAR-1999
25-MAR-1999
25-MAR-1999
01-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to identifying target proteins (ABB90790-ABB94016) for herbicidally active compounds, competising aligning and comparing nucleic acid or amino acid sequences from plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Identifying plant target proteins for herbicidally active compounds, comprising aligning and comparing nucleic acid or amino acid sequences from plant with nucleic acid or amino acid sequences from nucleic acid or amino acid sequences.
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Fatent No. 6284486
                                                                                                                                                                                                                                                                                                                                                                                   enery Match 89.9%; Seore 844; Let 4: Lenath 189; fest local Similarity 45.1%; Fred. No. 2.6e-85; Batches 60; Conservative 26: Mismatches 47; Indels
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LENGTH: 133 amplio acids
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CHRRENT APPLICATION DATA:
APPLICATION NUMBER: USZOBZ994.962
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APPLICANI: Ruben, Steven M.
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APPLICATION RUMBER: US 50,7047,888
FILING DATE: 07-FEB-1997
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COMPUTER: HBM PC compatible
OFFEATING SYSTEM: PC 108/MS/DOS
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us 08-994-962-17
; sequence 17. Application us/08994962
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TELEPAX: 202-471-2540
IND-SMATION FOR SEQ 1D NO: 17:
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JOMNFOLER: HAM De compatible

OPERATING JUSTEM, 1 COMPANSIONS

SEPTMARE: Parcentin Meleuse #1.0, Version #1.00

CURRENT APPELOATION HATA:
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APPLICANT: Petake, Steven M.
TILLE OF INVENTION: Human Encodence Hadicaed Secreted Protein i
NUMBER OF SEQUENCES: 17
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APPLICATION NUMBER: 05 50/037,388
FILING DATE: 07-FEB-1997
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                                                                                                              147 EKKSIVACA 155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     y Martel. 10.0%: Sector 94: 106:4: forarth to 
Local Similarity 48.4%: Pred. No. 5.00017:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acid
STRANDEDNESS: Single
Type: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCIS/100CKDF NUMBER: 1488.0440002
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S 4 ER - TVACA 59
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US-08-969-644-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11.44.4-6.44-811
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APPLICANT: Commandergi, Maulicio
APPLICANT: Tocco, Mario F.
APPLICANT: Tocco,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Sponsson, Iconatol R.
REGIERATION MUREP: 1.00
KEFERRING OWNERT MUREON 1.00
TELECOMMUNICATION INFORMATION
TELEPHONE: 703-241-1300
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CORRESPONDENCE ADDRESS:
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PRIOR APPLICATION DATA:
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                                                                                                                                                     .00 HKGPSNN 106
                                                                                                                                                                                                                                   122 YAGPVNN 128
                                                                                                                                                                                                                                                                                                      46 SSGLJASVESTORGERTOLV LENGLEST----- TOUTERDSVOLLTPASSESS OFFICIAL 199
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                                                                                                                                                                                                                                                                                                                                                                                    67 NIKEGIILKEI-IKELFIDIAIMSUGSSVIAPSYPICEAA-----IPKESFCGakKopgly 12
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AMERICAN TYPE: IRM PC Compactible
PERALIN; SYSTEM: PC-pag American
SOFTWARE: Patrentin Refease #1.0, Version #1.25
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07-PDB 1990
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27.6%; Pred. No. 0.53;
Zative [3] Mismatches 50; Indels 25; Naps
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US-08-468-544-16 KESULI 6

Sequence 16, Application US/08468544

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US 08-444-189-15
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Patent No. 6110705
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CHREEN APPLICATE WINDMARE. U.7 5/817/189
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AESERVALL Bibon Silbari, MCLASC
STREET: 301 N. Washington Street
CITY: Falls Charch
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100 HROPSNN LOF
                             122 YAGPVNN 128
                                                                                                                                                                                         y Match
B.59; Score 74.5; bis 5; Length 264;
Local Similarity 27.69; Fred. No. 0.53;
hes 35; Conservative 13; Mismatches 50; Indets 29;
                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: 703-241-140
TELEPAX: 703-241-2848
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Svousson, Leonard E. REGISTRALLON NUMBER: 30, 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: II M
FILING DATE: 07-FEB: 1991
LLOCKLY/ALENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: "S/97991,512
FILING SALE:
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                                                             46 SSGLMASVRENGEGEN-LIVE CANDERSI
                                                                                           67 NINDHILKELIKELIH CALMAÇISSVLNISTERINA
                                                                                                                        10 LWILTH SCSCOGGOKAWI HRVV SUS---GLEVITYGGTGTGJOTGTSVIKGGKGLKGNI FF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 1387 7/661,825
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILLING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
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                                                                                                                                                                                                                                                                                                                            LENGTH:
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                                                                                                                                                                                                                                                                                           linear
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                                                                                        Sequence 22, Application US/O8220151
Fateon No. 5529780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Chery Match 8.5%; Score 73.5; DB 4; Length 264; Best Local Similarity 27.6%; Pred. No. 0.53; Patches 6; Conservative 14; Mismatches 50; Indels 20; Gaps
                                                                  GENERAL INFORMATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENICKAL INFORMATIONS
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THE RMALLEN FOR SEQ 1D Not 15:
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APPLICANT: Communder(, Martico
APPLICANT: Torce, Martic F.
APPLICANT: Giuliani, Marzic M.
HILLE OF INVENTION: FOUR PLACEMINES SENSITED FROM CHLAMYDIA
HILLE OF INVENTION: HAVE MALES SENSITED FOR THE EXTENSION OF SAID
HILLE OF INVENTION: GENES IN HELEMOLYCOUS SYSTEMS, PERFORATION OF SAID
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KETTALEFTON-KET MOMBER: 12.67 202P
TELEFONMENTON TON 1 MYSMACTON:
TELEPHONE: 703-241-1300
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APPLICANT: Exoletti, Bozo
APPLICANT: Limbach, Keith J.
HILLE OF INVENTION. NOTLEGIBE AND AMING ATTE SEQUENCES
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ALL-GNEY/AGENT INFORMACION:
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PRIOR APPLICATION DATA:
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SIREE: 401 N. Washington Street
PALY: Falls Church
SIATE: Virginia
COUNTRY: USA
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SOFIMARE: Fatentin Kelease #1.0, Version #1.25
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REGISTRATION NUMBER: 40.4
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, Fatcat 35, 5088920
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FIGURE OF INVENTION:

FIGURE OF TAXABLE CANDERS HERPESVIRUS HE OF, AND SPOND USES THEFFE FOR THE OF TAXABLE OF 
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REFERENCE/COCKET NUMBER: 45441002040
REGISTEATION NUMBER: 25,506
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COMPUTER READDABLE ForM:
MEDIUM TYPE: Floppy lisk
COMPUTER: IBM For computible
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OMPULEM: IBM by compatible
OMPULEM: IBM by compatible
SOPTWARE: Patentin Release #1.0, Version #1.25
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Local Similarity 25.4%; Pred. No. 1.1;
Los 43; Conservative 17; Mismarches 62; Hobels 45; Sqs.
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TELEX: 425066 CURIMS
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STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                        CITY: NEW YORK
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SIREET: 530 FIFTH AVENUE, 25TH FIFTH
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TELEFAX: (212) 840-0712
INFOSMATION FOR SEQ 15 NO. 22
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APPLICANT: LIMBACH, KEITH J.
IITLE OF INVERTION: MICLEGREE HERECUREDS ACTS SECRETARIS OF THEMELIAS
THILE OF INVERTION: CANTES HERECUREDS AB. 40, AHC 45 AND THEMELIAS
NUMBER OF SECRENOFS: 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRESPONDENCE ADDRESS: MUSIC & CATEGOR : O STREET: $30 FIFTH AVENUE, 25TH FLOOR CITY: HIW YORF
                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION HUMBER. 08,415,118
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REGISTRATION NUMBER: 26.506
PRESERVENCENCY NUMBER: 45.4310-26.70
TELECOMMENTICATION INFORMATION:
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APPLICATION NUMBER: US 98
FILING DATE: 30-MAR-1994
ALTORNEY/AGENT INFORMATION:
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SOFTMARK: Patentin Release #1.0, Version #1.30
CHERRUI APPLICATION DATA.
APPLICATION NUMBER 18/99/413.119
ATTORNEY/ACENT INFORMATION
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SIPAMNIMH 42 amino acids
SIPAMNIMHES: single
TOPOLOGY: linear
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OPERATING SYSTEM: PC DUS/MS-DOS
SCOTUMARE: Patentin Paleagee #1 0 Vorgion #1 20
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                                                                                                                                                                                                                                    FILING DATE
                                                                                                                                                                                                                                                                                 APPLICATION NUMBER.
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HOLDSULE TYPE: N-terminal US 08 473-446-22
                                                           ; Patent No. 5470718
; AFFLICANI: STOALLACHAN, DURNIS J.
; TITLE OF INVENTION, EQUINE HERFECVIEUS TYPE I GLYCOPROTEIN
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE. (212) 340 JO
TELEPAX: (212) 840 0712
INFORMATION FOR SEO 15 NO: 7
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PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
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TITLE OF INVENTION: EQUIND HERPESVIRUS TYPE 1 GLYCOPROTEIN
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TYPE: amino acid
STKANDEDNESS: single
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25.4%; Pred. No. 1.1;
vative 17; Mismatches 62; Indels 47; Sups
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATFIH - CVETMECHERESFAMODE: -- 199
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US 38-530-550-13

2 September 13, Applifestion (ISZ06540350

2 Patent No. 5736381
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ET-056-08-240-80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Davis, Roger J.
                                                                                                                           TELEX: 200154
INFORMATION FOR SEQ ID NO: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                ATTOKNAN JAJIAN TRANSMATINAN NAMET PASSE, J. POTOT PARTICIPAN NUMBER 22,983 NIJAKATON NUMBER 27,983 NIJAKATON TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               THEE OF INVENTION: CHOOPROTEIN-ACTIVATED HUMAN PROTEIN KINASE THEE OF INVENTION: KINASES HUMBER OF SEGUENCES. 16
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                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 668 amino acids
                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patenth Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESTONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Gupta, Shashi
APPLICANT: Derijard, Benoit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Raingeaud, Joel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: CYTOKINE-, STRESS-, AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             161 KTYPAKU-TWUKIMPEC-----ATPIH--- DVSYMKONPKLSFAMCDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             259 OPTAHELNEGNEDECKTERVYSECEVETERFLGERNERVGERMIWEKEN 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               200 - RSDILWQASLITMAAFTODELGLVLAAPAHSASGLYKKVIBIDGKKIYTDESVTIFSEK 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 30-SEP-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                     MIBLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERALING SYSTEM: PC:DOSYMS-FRE
                                                                                                                                                       TELEPHONE: 0177
1990AX, 617/542-8906
                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER - U.S.
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                                      STRANDEDNESS:
                    POPOLOGY:
                                                                : HALL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    43; Conservative 16; Mismatches 63; Indels 47; Gaps
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                                                           amino acid
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                    Linear
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Best Local Similarity 24.3%; Pred. No. 4.2;
Matches 72; Conservative 24; Mismatches 61; Indets 18; 548
                                                                                                                                                                                                                    Query Match 8.2%; Score 71; D8 4; Longth 668; Best Local Similarity 24.3%; Pred. No. 4.2;
                                                                                                                                                                                Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELETIAN: 617/542:8906
TELEX: 200154
THIS PHATTER FOR CITY IN NO. 18:
SHOULENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 07
TELECOMMUNICATION INFORMATION:
TELECTION - 617 6542-5070
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CLASSIFICATION:
PRIOR APPLICATION DATA:
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TITLE OF INVENTION: KNASSES
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488 PTRICOSAN -- QUIVECCITOVOSANIAVASCARIDAD SEMARBIREZEMBRANI (40
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COMPUTER: IBM PC COMPUTER:
OPERATION SYSTEM: FO Englanding
SOPTWARE: Patentin Release #1.0, Version #1.40
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                                                                            28 FERRY CSID SOLDAND VS COLUMN OF SVER THE TEXT HAR REST LIKELER FRANCES
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MUCLETRATION NUMBER
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LITTLE OF INVINITON, MO. 0756747c) Flant Derided Map Kinase Kinase
File REPERINCE: OF WHAZ-8008
CURRENT APPLICATION NUMBER CLYCO/484,162
CURRENT TILLYS FALL 1998 69:27
RUMBER OF SEC 16 NOS 24
SOFTWAKE: Patentin Vot. 2.0
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APPLICANT: Martin-Heller, Teresa
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APPLICAN: Harding, Matthew J.
APPLICAN: Livingston, David J.
LILLE OF INVESTIF M: LOCATION OF AN M: 52,000 EKROS BUNDING
HITLE OF INVESTIF M: EMCESIN AMB MEDICULAR CISCURA OF A C-ARESE WOLD BUMAN
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COMPUTER: HIM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFIWARE: Patenth Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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ADDRESSED: Hamilton, Brook, Smith and Reynolds, F.C.
STREET: Two Militia Drivo
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PRIOR APPRICATION DATA: APPLICATION NUMBER:
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FILING DATE: 05-NoV-1994
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SUMMARIES

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This SWISS-PROJ entry is copyright. It is produced through a cyllaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Enopean Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its central is in no way modified and this statement is not removed. Usage by and for commercial
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SIMILARITY: BELONGS TO THE MD FAMILY.
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J. Exp. Med. 19479-88(2001).

The PHROTON Composition with TER4 in the inside immune response to bacterial lipopoly-weedhards (LFS), and with TER5 in the response to bacterial lipopoly-weedhards (LFS), and with TER5 in the response to the will all advances the Stand position and Standards Bellands. Colls captured but MED and TER4, but not TER4 alone, reasoned to EPS
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"Yell surface expression and lipopolysaccaride signaling via the Toli-
like receptor 4 MD 2 complex on monse perflohed macrophares.",
J. Immunol, 164:34/1-34/5(2000).
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K. Harika I. Z.M. Makama I.: Taskiro K., Homjo I.:
"ESPECIAL Secreted protein expressed in the hemategedetic mermous, and reproductive systems of embryonic and addit mice.";
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15 JUN 2002 (Rel. 41, Created)
15 JUN 2002 (Rel. 41, Last sequence update)
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                                                                                                                                                                                                                                                                         Shimazu K., Akashi S., saata H., Madai Y., Bukabmo K., Migako K
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C. PUNCTION: Comperators with Histal in the inpate indume response to the functional lipopolysarcharide (LPS), and with HIRZ in the response to return all imponents from Gram-positive and Gram-goad its to rell wall components from Gram-positive and Gram-goad its formed to the Latence of MF kappa E. Scills of Expression both MML and Hist, but not TLE4 alone, respond to Hist expression both MML and Hist, but not TLE4 alone, respond to Hist. Supposed in the strongeneous benegative remed from Encodeditors of Supposed in the Competence of the History Containing at least Substitute of the Competence of TLE2 and Hist. Substitute of the Competence of TLE2 and Hist. Substitute of Competence of TLE2 and Hist. Substitute of TLE2 and Hist.
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Dziarski R., Wang Q., Miyoko K., Kirschning G.J., Cupta E.,
"MM-2 chaftles Toll-like responses to
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J. Exp. Med. 194:79-88(2031).
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Heldelberg J.E., Elsen J.A., Melsen W.C., Clayton R.A., Gwinn M.L.,
Lodson K.J., Hait D.H., Hickey E.K., Feterson J.D., Unayam E.A.,
Olil S.R., Nelsen K.E., Bead T.E., rettein E., Bichardson F.
Ermolaeva M.E., Vanathevan J., Hass S., 91n H., Dragol I.S., Seliers I
Medicall L., Uterhack T., Felsechman F.D., Wiennan W.C., White ol.
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"Identification of the equine herpesvirus type I alyespretein 17/18 as a band-bane of herpes simplex virus alyesprotein D.".
J. den. Virol. 76:1227-1263(1991).
                             EMBL; M36299; AAA66546.1;
PIR; PO0146; PO0146.
                                                                                                                                                                                                                                 "Sequence analysis of the 4.7-kb BamHI EcoRi Fragment of the equine horpesmirus Type-1 sbort unique region."; Gene 101:203-208(1991).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_Tax1D 10328;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Equine horposvirus type 1 (strain AB1) (EHV-1).
Viruses, dsDNA Timeses, no FVA stage, Herpesinidae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Glycoprotein D precursor (Glycopictein 17/18)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAR-1992 (Bel. 21, Created)
01-AU0-1992 (Rel. 23, Last sequence update)
16-001-2001 (Rel. 40, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CMART: SMOOTER: TOPLAT;
SMART: SMOOTER: TOPLBO;
SMART: SMOOTER: TOPRIM;
                                                                                                                                                                                                                                                                                 Bonuss W.A.
                                                                                                                                                                                                                                                                                                Eltom D.M., Ballibarton L.W., Ellington E.A., Meredich L.M.
                                                                                                                                                                                                                                                                                                                                                                                                                       Elton D.M., Hallibarten L.W., Killington B.A., Moredith S.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                         MIDILINE 9226882
                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ARASHTOTA
                                                            EMBL; M60946; AAA46087.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOT AMBICHANTACHOND COM 839
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Pro: IPR002896; Herpes_qlycop_D: Pr01537; Herpes_qlycop_D: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9.0%; in Similarity 26.1%; It similarity 26.1%; It is a second time 23;
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Audonnet J. C., Winslow J., Allen G., Paoletti B.;
"Equine herpesvirus type 1 unique short transcot encodes
"typic factors with hundredy to be the stagles within type 1 dl. at and
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C1 MAR 1992 (ECL. 21, Last sequence update)
O1-MAR-1992 (ECL. 21, Last sequence update)
16-001-2001 (ECL. 40, Last annotation update)
S1; S9: Lein S Erraissa (Si, 79: Lein [7,78)
S2 (E. G. 17,78 (E. 7))
S2 (E. G. 17,78 (E. 7))
S3 (E. G. 17,78 (E. 7))
S4 (E. G. 17,78 (E. 7))
S5 (E. G. 17,78 (E. 7))
S6 (E. G. 17,78 (E. 7))
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEMINE-92295566; makened 1718606;
Telford E.A.R., Walson M.E., Metride E., havison A.J.:
"The BNA sequence of equine herpesvirus-1.";
Virology 189,704-316(1992).
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                                                                                                                                                                                                                                                                                                     modified and this statement is not removed. Usage bentitie a price of the process of the process
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Signal
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                                                                                                                                                                                                                                                     or send an email to license isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                     the Burgeean Bioinformatics Institute. There are no restrictions on the by an appetit in the first and the project in the first second of the firs
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-i- SIMILAPITY- REFONCE TO THE HERPESVIKUSES GLYCOPMETEIN DEFAULT
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H-COMMED. (GLONAC. . .) (POTENTIAL).

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15-JUN-2502 (Rel. 41) Created)

15-JUN-2502 (Rel. 41) Last sequence update)

15-JUN-2002 (Rel. 41) Last sequence update)

15-JUN-2002 (Rel. 41) Last sequence update)

15-JUN-2002 (Rel. 41) asst annotation update)

15-JUN-2002 (Rel. 41) asst annotation update)

15-JUN-2002 (Rel. 41) asst annotation update)

15-JUN-2002 (Rel. 41) asst sequence update yielde)

15-JUN-2002 (Rel. 41) asst sequence update)

15-JUN-2002 (Rel. 41) Last sequence update)

16-JUN-2002 (Rel. 41) Last sequence update)

16-JUN-2002 (Rel. 41) Last sequence update)

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This swimmer is the Skiss Institute of Bioinformatics, and the EMBL outstation -
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"The genome sequence of the food-horne pathogen Campylobacter jejuni
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15-JUN 2002 (Rel. 41, Last annotation update)
15-JUN 2002 (Rel. 41, Last annotation update)
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"A I7 amino acid insert charges Map N-meetylbewesamine
pyrophosphorylase specificity from UDP-Galawa to UUP GicNAc.":
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"The oblatystic MMP-N assetyl ilmosamilie gyraphosphorylases: ten-

chathat protein expression, and catalytic mechanism.":

J. Biol. Chem. 273:14392-14397(1998).
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Mammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.
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-1- EUROTEON: ACXI CONVERSE SALMATI FILE OUT LALMATI E THE FELSENTE
-0F HIP. ACXI CATALYZES THE SYNTHESIS OF SETWANT-I-P INTO UDE-SECURAC
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                                   SUBCELLULAR DECALLER.
                                                                      SUBUNIT: HOMODIMER.
                                                                                                                                  PATHWAY: UDP GleNAc blosynthesis from Fro-6-P; fourth (last)
       THE PRINCIPAL PIECE OF THE TAIL,
                                                                                                                                                                         diphosphate + ODP-N-acetyl-D-glucosamine
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19.8%; Pred. No. 11;
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                                   CIMSWIRELLA
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                                                                                                                                                  SEQUENCE FROM N.A.

MIGHTAL 5253758; Folded 1816678;

MIGHTAL 5253758; Folded 1816678;

Colle C.F. III, Flowers C.C., C'Calladian b.J.;

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"Sequence analysis of a diverporate in busine bomolog within the short segment of the EMV-I accome.";
Virology ibs:175-164(195).
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Viruses: dsDNA viruses, no ENA stage: Herpestiridae;
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Clam; PFO1704; CheBr. L.
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Remarks Res. 12:689-790(2002).
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FUNCIESM. Farm shes a means for tornation of correctly charged Gin-tRNA(Gin) through the transamidation of misacylated Gin-tRNA(Gin) in organisms which lack dutaminy transamine synthetase. The reaction takes place is the presence of glutamine and AFP through an activated gamma-phospho Gin tRNA(Gin) (By similarity). GATALYTIC ACTIVITY: AFP + L-glutamyl-trans(Gin) + L-glutamine - AD
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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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SEQUINCE FROM N.A. STRAIN CY. COLUMBIA; MELLINI 20092/827, Pubmed 10017197; Liu X., Zoul E., Etudsicy C.E., Shea 2.F., Bendito MI., Town C.D., Engli C.M., Mason I.M., Rowman C.L., Barnstead M.E., Feldbyum I.V., Proll C.P., Mason I.M., Rowman C.L., Barnstead M.E., Feldbyum I.V., Proll C.P., Ederbam K.A., Lee Z.J., Boning C.H., Koo H., Mettat K.S., Cronin L.A., Shen M., Vanaken S.E., Gmayam L., Tallon L.J., Gill J.E., Adams M.D., Carrora A.J., Stagayam L., Tallon L.J., Gill J.E., Copenhaver G.F., Preuse D., Wierman W.C., White O., Elsen J.A., Salzberg S.L., Fraser C.M., Venter J.C., "Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana," "Sequence and analysis of chromosome 2 of the plant Arabidopsis kulure 402:761-768(1999). Simulaber From W.A., Strain S.F., Strain G., TEFF databases EMBL: Arabifold W.A., STRAIN CY., CAL COT, C.H., EMG, TStrif databases EMBL: Arabifold R.A., Prec I., Plant From From S., C2HCZHITHOER.	LT 1 96 96 97 98 98 98 982196; PRELIMINARY; PRT; 1137 AA. 082196; 01-NOV-1999 (TriMBLrel. 08, Created) 01-NOV-1999 (TriMBLrel. 21, last annotation update) 01-UNN 2002 (TriMBLrel. 21, last annotation update) 01-UNN 2002 (TriMBLrel. 21, last annotation update) 01-UNN 2003 (TriMBLrel. 21, last annotation update) 01-UNN 2003 (TriMBLrel. 21, last annotation update) 01-UNN 2003 (TriMBLrel. 21, last annotation update) 01-WORLER (TriMBLREL 21, last annotation update) 01-WORLER (Tri

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SAURING
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InterPro: 158002625; Smr@wess.
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| SEQUENCE | | 1440 | AA; | | 152465 | BW; | | | 674887E2 (EFRBORF CR054);
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                                                  PRELIMINARY;
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2 Prod. No. 3.15;
12 Prod. No. 3.15;
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Best local Similarity
                                                                    Maintible coestas, calified 16617197:
Lin X., Kaul S., Bermsley S.E., Shea I.E., Bernite M.-I., Lan T.E.,
Payli C.Y., Masen C.K., Beaman T.E., Barnstead M.E., Briddejon, L.V.,
Berell C.K., Kerchum K.A., Lee J.J., Bornaline T.M., Koo H., Mattar K.S.,
Theoli C.K., Sooth M., Valkaet S.E., Omayon L., Fallo, L.J. Sill T.E.,
Adams M.D., Carrera A.J., Creasy L.H., Goodman H.M., Semerville T.E.,
Capenhager C.P., Press D., Microan W.C., White a., Elser L.A.,
Salzberg S.L., Fraser C.M., Venter J.C.;
"Sequence and analysis of chromosome 2 of the plant Araridopsis thaliana.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota: Viridiplantae: Streptophyta: Euderpophyta: Frankosphyta: Bautophyta: Bautophyta: endiedziplodons: core endiedz: Frankosphyta: Erassicales: Brassicales: Arabidopsis
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Jamanado J., Anton M., Botel J., L. Esseri H., Berryama A., Nebil Y.,
Sakal M., Oyara E., Haska D., Nebil Y.,
Fundhashi I., Sataka I., Nebil Y., Namaraka J., Roshida N., Oyara A.,
A.Ki K.-I., Yoshizawa I., Nakamara Y., Rodd F.I., Horikoshi K.,
Masuchi Y., Shiryaya H., Kkerhi H.;
"Complete Sequence and dence ordanization of the denome of a hyper
Thermophilic archaebacterium, hyporocess horikoshii of C.";
DNA Ress 5,55-76 (1996).
EMBL: AP000902; HAAZ9405.1;
Nature 402:761 768(1999)
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SEMBERCE 405 AA. 45912 MW. 6548551:88704485 /NO-64:
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PROSTE: PSO(150; MIDARE_ALFMA_FGTA;
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Piam, Prosector SpCR; Z.
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Matches 36
InterPro: 1PR003609: Pan_app.
InterPro: 1PR00358; Sloema_qlycop.
Ptam: PP00458; Avqlutinin: 1.
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SMARI: SM00474; PAN_AP; 1.
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Complete profesme.
SEQUIENCE 394 AA; 44831 M
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EMRIJ AJ248288; CAB50535.1; -.
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ive 12; Mismatches 30; Indels 41; daps
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       EMRL: M5977; AAA46080.1;
InterPro; IPR002896; Herpes_qlycop_D;
Etam; PF01547; Herpes_qlycop_D; L
                                                                        Wiley 1., Graven D.;
"Identification and comparative sequence analysis of a gene in equine herpesvirus I with homology to the berges simples virus dlycoprotein D gene.":
Signal: Glycoprotein.
                                                                                                                                MEDIAN: 92180315; FubMed 1665613; Whalley J.M., Robertson G., Well C.W., Love D., Elphinstone M.,
                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                 NCBI_FaxID 10326;
                                                                                                                                                                                                               Alphaherpesvirinae; Varicellovirus
                                                                                                                                                                                                                                             Equino herpesvirus 1
                                                                                                                                                                                                                                                                       01-NoV-1996 (TrEMBLIEL 01, Created)
01 NoV 1996 (TrEMBLIEL 01, Last sequence update)
01-JUN 2001 (TrEMBLIEL 17, Last annotation update)
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Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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A:Title: Sequence and analysis of chromosome 2 of the plant Anabidopsis that land

copia-like retroslement pel pelyprotein (imported) - Acabidopsis tallina Cispecies: Acabidopsis thariana (mouse-ear cress) (fibate: 62 Feb-29) ##sequence_revision 02 Feb-2001 #fext_change 62-Feb-201 C.Accession: 0845#1

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A:Accession: G84581
A:S atus: preliminary
A:Molecute type: DNA
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DRA kes. 5, 55 %, 1998
ArThile: Complete segrence and dene organization of the genome of a hyper-thermophilic
ArReference number: A71000; MUID:98544157; FMID:95/9154
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A; Coss references: GB.AH002073; HID.43687274; FIBH.AA762132.1; GSEEDECEMO129
                            probable triacy(4)/years) lipase (imported). Arabidopsis thatiana ()Species: Arabidopsis thatiana (mouse ear cress) create: 02-Feb-2001 #sequence_terision 02-Feb-2001 #text_change 02-Feb-2001 creates 02-Feb-2001.
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A:Experimental source: strain OF8
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A:Residues: 1:406 <KAW>
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                                                                                                                                                                                         RESULT 4
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                                                                                                                                                                                                                                                                                                                                     107 PKESFCGRRKGEQIYYAGFYNNFEFTIFQGE 137
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              y Match 9.4%; Score 81; DB 2; Length 406; Local Similarity 25.8%; Pred. No. 2.7; hes 9, Subsettative 27, Mismatches 49, Indels
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X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Remito, M.I.; Town, C.D.; Pu)II, C.Y.;
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    Sawada, M., Horibaka, B., Bubbaka, Y., Hiba, T., Yadadato, S., Soki
Panahashi, T., Tanaka, T., Fadoh, Y., Yamaraki, J., Kushida, N., Oguch

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26.3%; Pred. No. 0.13;
Lative 23; Micmatches 42; Indels
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A;Molecule type: DNA
A;Residnes: 1-484 <STO>
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A:Accession: H84723
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euss, D.: Nierman, W.C.: White, e.: Eisen, J.A.: Salzberg, S.L.: Praser, P.M.: VenPer
Nature 403, 761–768, 1999
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A,Rosidues: 1876 < HETS
A,Closs A,Clarence, GE,AECC4D51, OE.AECC4952, HID:q9655249; FID:R:AAE94896.1: GSH-RESN
A,Experimental Source: Serogroup OI: Strain N16961; biotype El Tor
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A:Accession: B82163
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Nature 406, 477-483, 2000
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A;Map position: 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dute: 18 Aug-2000 #sequence_revision 20 Aug-2000 #text_change 92-Peb-2001 Accession, B82163
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                                                         122 YAGPVNNPE---FTTPQGEYQV 140
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37; Conserv
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A:Gene: MIPS:YPR022e
A:Gross-relations: SileS5006226
A:Map position: 158
C:Regwests: Clausimembrane protein
F:932-942/Domain: transmembrane sstatus predicted (IM).
F:932-942/Domain: transmembrane sstatus predicted (IM).
F:947-742/Domain: transmembrane sstatus predicted (IM).
F:947-947/Pemain: transmembrane sstatus predicted (IM).
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Reanonymous, Genoscope
submitted to the EMBL bata Library. July 1999
A:Description: Pyrococcus abyssi genome sequence: insights into archaeal chromosome strucketerence number: A75001
A:Reference number: A75012
A:Accession: A75012
A:Accession: A75017
A:Molecule type: UNA
A:Posidace 1-244 - MAR.
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RiBadcock, K.; Clurcher, C.M.
Portrad to the EMBL Data Library, May 1998
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A:Accession: $54496

A:Molecule type: DNA

A:Residues: 1-1133 -BAD

A:Cross::perpendes: EMB; "10071 - MID quintur

A:Experimental source: $131: ABV72

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C:Superturily:
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N.Alternate namea, hypothetholi protein YPSUGT.02;
C:Species: Saccharomyces cerevisiae
C:Date: 08-Jul-1995 #sequence_revision 19-oct-1995 #fext_change 19 Apr-20-2
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A.C. 48 h.Errenecs. BBBL.D85295. NII.42271141. FIGH.BAA21579.ir Fil 91.917114. S.Daperfamili. S.Novas specific digroprotein. S.Novas specific digroprotein.

C:Keywords: dlycoprotein.
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C:Species: Yersinia postis
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A:Accession: 114529
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A:Hitle: Striking sequence similarity in inter- and intra-specific
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F.Eusaka, M., Mishi.
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A;Gene: YPO3241
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                                   C;Species: Brassica oleracea (wild cabbade)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Got; Match 8.00; Score 77; 1882; Leadth 246; Best Local Similarity 29.0%; Prod. No. 3.8; Matches 31; Cooperative ID, Hismatches 30; Indels
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C:Superfamily: Caenorhabditis closurs hypothetical protein F40012.4
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A: Frit lo: Sequence and analysis of checemoscane i of the plant Arabidopais.
A: Reterence number: A86141; MUHH: 21016719; PMID:111(0712)
A: Reterence number: A86141; MUHH: 21016719; PMID:111(0712)
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                                                                                                                                          ArAnthors: Hunter, J.L.; Jenkins, t.: Edmson-Hayson, C.: Khan, S.: Khaykin, B.: Kim, C.A.: Li, J.H.: Li, Y.: Lin, X.: Lin, S.X.: Lin, Z.A.: Liros, J.S.: Maifi, W.: Marciali
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AfAccession: PQ8146
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Apriloss references: 08:M66299: NH:: 10:0287: FIBNLAAA/6540.1; Filliam.ee/.
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alycoprotein D precursor — equine herpesvirus I
C.Species: equine herpesvirus I
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C.Date: 0.sep 1992 #sequence_revision = 0.sep-1992 #text change 16 Jul 1996
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A:Contents: amoutation; possible protein-coding frames
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A.Authors: Hunter, J.L.: Jeckins, J.: Tohnson-Hopson, C.: Ehan, S.: Ehaykin, E.: Kim, C. C.A.: Li, J.H.: Li, Y.; Liu, S.X.: Liu, Z.A.: Liu, Burec, J.S.: Maiti, R.: Marziali, Pizzo, M.: Bechey, T.: Rewley, E.: Sakano, H.

A:Authors: Salzberg, S.L.: Schwartz, J.R.: Shinn, P.: Southwick, A.M.: Sun, H.: Tallon, Ker, M.: Wu, D.: Yu, G.: Fraser, C.M.: Venter, J.C.: Davis, R.W.

A:Itule: Sequence and analysis of chromosome I of the plant Arabidopsis.

A:Accession: E86192
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Matches 44: Conservative 16: Mismatches 62, 153-15 17.
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C:Species: Campylobacter jejuni
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